

ABSTRACTIMAGE PROCESSING APPARATUS

5       In an image processing apparatus 2, images of a subject object 210 and data defining the positions and orientations at which the images were recorded are processed to generate a three-dimensional computer model of the subject object 210. As part of the processing, 10 image data relating to the subject object 210 is segmented from other image data in each input image to define the silhouette of the subject object in each image, and the silhouettes are processed to generate the three-dimensional computer model. To improve the 15 accuracy of the segmentation processing, and therefore the accuracy of each silhouette and the three-dimensional computer model, processing apparatus 2 defines a volume of three-dimensional space enclosing the subject object, projects the volume into at least one of the input images, selects pixels representative of the background 20 by using the projection of the volume to prevent the selection of pixels representing the subject object, and uses the pixels to establish parameters to be used in the segmentation processing.